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APPENDIX 3.6B	RECLAMATION HYDROLOGY STRUCTURES CALCULATIONS
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April 2005

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Diversion GCD-1 conveys the runoff from an undisturbed area (7.81 acres). The peak discharge, based on a 10-year 6-hour storm event, is 2.01 cfs. The design discharge will flow at a maximum depth of approximately 0.6 feet along the flatter reaches of the diversion, and at a velocity of approximately 6.3 feet per second along the steepest reach of the diversion. The existing diversion has adequate freeboard provided above the design flow depth.

Diversion GCD-2, along the south side of ancillary road A-1, collects runoff from both disturbed and undisturbed areas and channels it to the ditch along US Highway 6. This diversion also prevents runoff from crossing road A-1. The peak design flow from the 9.6 acre watershed is 2.66 cfs. The geometry of the diversion is summarized in Table 3.6-2 (Exhibit 19).

Berm ACB-1 is constructed along the north side of road A-1 to contain the storm runoff that falls on the road. For simplicity of design, the berm was designed to contain the runoff from all of watershed GCWS-D1. The minimum berm geometry is summarized in Table 3.6-3 (Exhibit 19).

3.6-3(2) Alternative Sediment Controls

There are no sediment ponds in Gravel Canyon. Currently the area is revegetated and thus no alternative sediment control structures are necessary.

3.6-4 Reclamation Plan

The site was reclaimed in the Fall of 2004. All details regarding as-built reclamation of the site can be found in Appendix 3.6D. As-built topography, cross-sections, channel profile and treatment area can be seen on Exhibit 3.6-5AB.

The reclamation work in Gravel Canyon will be done contemporaneously with the disturbance of the site. After material is taken from an area within the site, the area will be graded for overland flow and the site revegetated. The site will not be ready for final reclamation until all of the disturbed area sites in the Willow Creek Mine are reclaimed. A total of approximately 97,000 cubic yards of resoiling material is available for use based on the postmining topography shown on Exhibit 3.6-3 (Exhibit 19). If however, there is

GRAVEL CANYON AS-BUILT RECLAMATION CASTLE GATE MINE

CASTLE GATE COAL MINE Carbon County, Utah

Prepared by

EARTHFAX ENGINEERING, INC. Midvale, Utah

April, 2005

APPENDIX 3.6D

GRAVEL CANYON AS-BUILT RECLAMATION

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3.6-4AB Reclamation Plan

The reclamation work in Gravel Canyon was completed in conjunction with the removal of topsoil stored at the site. The soil removed from the site was used to reclaim the Willow Creek Mine Refuse Pile, Preparation Plant area and Willow Creek Mine Highwall area. The excavation of soil and reclamation of the site began in the spring of 2004 and was completed by fall of the same year. The site has been graded to drain to the constructed reclamation channel. Approximately 65,000 cubic yards of resoiling material was removed from the site prior to final grading.

The land use for this area is wildlife habitat.

3.6-4(1)AB Reclamation Work

The reclamation work consisted of the following:

Demolition: No structures on the site required demolition. A historic stone retaining wall and some established trees along US Highway 6 and 50 were left in place because the soil was not needed and proper drainage could be achieved without destroying the trees and historic structure.

Grading: Site grading established proper drainage and allowed removal of the needed volume of material. Access road A-1 was removed. The disturbed areas were graded to approximate the original contours by blending spoil into the surrounding area which created a landform which complements and resembles the surrounding terrain. There are no cut slopes or highwalls within the disturbed area boundary. Cut slopes on the south side of the site are outside the disturbed area boundary and have not been reclaimed.

Resoiling: The approximately 5.75 acres within the disturbed area boundary were disturbed prior to SMCRA. No topsoil was salvaged from the site. The existing soils at the site were used for resoiling material. The resoiling material was analyzed for the following parameters: Ph, electrical conductivity, sodium absorption ratio, texture, nitrate-N, available phosphorous and extractable potassium. Two composite samples of the regraded surface were taken. Analyses are presented in Appendix 3.4M.

Seeding and Mulching: The Upland Seed Mixture (Table 5.3-2b, Section 5.3, Willow Creek Permit) was used in Gravel Canyon. Prior to application of the reclamation seed mix, hay was incorporated into the growth media at a rate of 2 tons per acre. This was done to improve soil structure for aeration purposes, increase micropore space, and improve the water holding capacity of the soil. Incorporation of the mulch occurred during deep gouging. No fertilizer was used during the reseeding activities.

Following seeding, an additional 1.0 to 1.5 tons per acre of certified noxious weed free straw mulch was spread over the seeded growth media mostly by mechanical blowers with occasional hand spreading. The straw mulch was then sprayed with a tackifier and mulch mixture at about 500 lbs per acre following spreading to retain the straw mulch on the reseeded slopes. The tackifier and mulch technique provide a better means of retaining the straw mulch on the reseeded areas than does crimping. Of the approximately 5.75 acres within the disturbed area boundary approximately 4.3 acres were regraded, mulched and seeded. The remaining 1.45 acres is well vegetated and does not require any reclamation.

3.6-4(2)AB Reclamation Hydrology

Reclamation Channel Design: The reclamation channel (CGRD-1) was constructed with side slopes 1.95:1 or flatter with a minimum bottom width of 4.5 feet and minimum depth of 1.7 feet. In Attachment 1 of this appendix the capacity and stability of the reclamation channel was verified.

The natural streambed that exists upstream of the disturbed area in Gravel Canyon can be considered ephemeral since it carries water only in direct response to a precipitation event, or the melting of snow and ice, and is above the local water table. Ephemeral streams are classified as carrying miscellaneous flows, per R645-301-742.330, which requires that permanent diversions be sized for the 10-year 6-hour storm event. Thus, the reclamation channel has been verified to be able to transport the peak discharge of a 10-year 6-hour precipitation event of 1.4 inches (Miller et. al, 1973). The D50 = 12 inch riprap was also verified to be stable for the peak discharge rate from the 10-year 6-hour precipitation event. A description of the methods used to determine the peak discharge rate is presented in the asbuilt hydrology calculations found in Attachment 1 of this appendix.

The reclamation channel drainage areas for Gravel Canyon are presented on Figure 1 in Attachment 1 of this appendix.

A description of the methods used to verify the channel's capacity and stability can be found in Attachment 1 of this appendix.

A summary of the reclamation channel dimensions are presented in Table 3.6-4AB of this appendix.

The reclamation channel (CGRD-1) was verified to pass the peak discharge with a minimum freeboard of 1.31 feet. It should be noted that this channel has adequate channel capacity to contain the 100-year 6-hour peak discharge. A channel cross-section can be found in Attachment 1 of this appendix. The channel profile can be found on Exhibit 3.6-5AB.

The filter blanket consists of a 9-inch thick layer of D50 = 1" gravel. A synthetic fabric was not used. Approximately 25,311 cubic feet of riprap and 12,878 cubic feet of filter material was used to construct the reclamation channel.

3.6-4(3)AB Alternative Sediment Control Measures

The area within the disturbed area boundary of Gravel Canyon was regraded to allow storm runoff to overland flow to the permanent reclamation channel. The following alternate sediment control measures were used at the site to control erosion and limit sediment runoff:

- 1. Placement/Redistribution of growth media,
- 2. Incorporation of hay mulch into growth media,
- 3. Deep gouging of the growth media,
- 4. Seeding the prepared soil,
- 5. Addition of more mulch following seeding, and
- 6. Chemically anchoring the final mulch layer.

These methods have been very successful at other recently reclaimed sites and are expected to work well at this site.

Appendix 3.6C presents calculations that quantify the sediment yield that could be expected annually under pre-mining conditions, immediately after reclamation, and after vegetation establishment, as 24.2 tons/acre/year, 0.14 tons/acre/year, and 20.7 tons/acre/year, respectively. These calculations were performed to compare the sediment yield during each of the time periods to demonstrate that the reclaimed surface will produce less sediment than the same area under undisturbed conditions. The cumulative implementation of each sediment control measure substantially reduces the amount of sediment eroded from the reclaimed areas, to the point that the mulch and roughening theoretically inhibits soil loss more effectively than the undisturbed ground cover. Since the undisturbed areas contributing sediment to the stream channels are larger than the reclaimed areas, most of the sediment erosion will occur from the undisturbed areas. As long as the depressions from surface roughening are in place, the sediment yield from up gradient areas will be prevented from reaching any stream channels.

The alternative sediment controls constructed during reclamation will be inspected quarterly or after every major storm event. Observations made during these inspections, as well as corrective actions taken, will be recorded. Corrections to any weaknesses in the implementation of the sediment control plan will be remedied immediately to prevent future silt runoff into the main stream channel. Corrective action will be taken when a gully greater than nine inches in depth is created due to lack of vegetation establishment, or when the mulch and seed have been transported by wind or overland flow. Corrective action will consist of regrading the ground surface only as necessary to fill in nine inch gullies caused by erosion, and reseeding and mulching, as warranted, to reestablish vegetation.

3.6-5 Reclamation Timeline

Stockpiled topsoil at the site began to be removed in the spring of 2004. Final reclamation of the site was completed in the fall of 2004. Monitoring of the site will continue until Phase III bond release.

TABLE 3.6-4AB

AS-BUILT RECLAMATION CHANNEL SUMMARY GRAVEL CANYON

	::0		[9:00	9.0				
4	49,	14.5	1 31	0.39	5.0	1.7	1.95:1	4.5	GCRD-1 (b) (c)
	- 44							(FT) ^(a)	
S	(FT/S)	Slope (%)		Depth (FT)	Slope (%)	Depth (FT) Slope (%)	(H:V)	Width	
ij	Velocity	Bottom	(FT)	Flow	Bottom	Channel	Slopes	Bottom	Channel
un	Maximu	Maximum	Freeboard	Maximum	Minimum	Minimum	Side	Minimum	Reclamation

(c) (a)

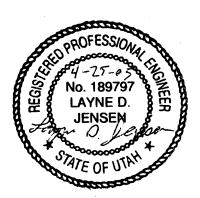
Minimum bottom width measured at minimum depth from top of channel.

Design based on 10-year 6-hour storm (Permanent structure for ephemeral drainage).

greater cross-sectional flow area. The above channel dimensions represent the minimum cross-sectional flow area. The majority of the channel has a

ATTACHMENT 1

AS-BUILT RECLAMATION
HYDROLOGY CALCULATIONS



As-Build Hydrology Calculations Gravel Canyon

The purpose of these calculations is to demonstrate that the constructed reclamation channel can handle the peak flow generated by the 10-year 6-hour design storm event. The channel will be shown to be capable of safely handling the design event.

To minimize confusion and ease review the channel is labeled in the same manner as found in the design calculations in Appendix 3.6B.

Methodology

- Curve Number techniques of the U.S. SCS (1972)
- Triangular Unit Hydrograph approach of the U.S. SCS (1972) as programed by Hawkins and Marshall (1979)
- Drainage areas, slopes and hydraulic lengths determined from as-built aerial topography. See Exhibit 3.5-3A for watershed location.

Rainfall Depths

10-year 6-hour

1.4 inches

10-year 24-hour

1.8 inches

Reclamation Curve Numbers

The curve number for each watershed is determined by an area weighted average between undisturbed and reclaimed areas.

A curve number of 75 will be used for the undisturbed areas as stated in Section 3.5-3(2) of the M&RP. This section is for the Adit No. 1 area. However the vegetation and soil types for the two canyons are very similar.

A curve number of 80 will be used for reclaimed areas. This is a conservative estimate considering that the site has already revegetated well and the deep gouges will retain moisture on the slopes. Thus, not allowing runoff from the reclaimed area.

GRAVEL CANYON AS-BUILT CURVE NUMBER SUMMARY

Watershed	Total	Undist	urbed	Distu	Weighted	
No.	Area (ac)	Area (ac)	CN	Area (ac)	CN	CN
GCRWS-1	102.8	97.14	75	5.66	80	76
		·				

A summary of watershed characteristics can be found on the following pages.

Summary of Watershed Data

Time of Peak Flow Conc. (hr)	7.4			
Time of Conc. (hr)	0.164			
L (hr)	0.098			
(ft)	3280			
, √ (%)	88.7			
S (ii)	3.158			
Curve Number	92			
Drainage Area (ac)	102.8			
Watershed Drainage Area Area (ac)	CGRWS-1		 	

Notes

Watershed location can be found on page 5

S = 1000/CN - 10

L = watershed lag =(1 0.8(S+1) 1 0.7) / (1900(Y) 1 0.5) Time of Concentration + 1.67L Peak Flow is based on a 10-yr 6-hr storm event

Triangular Hydrograph Calculations using SCSHYDRO Program

Watershed I.D.: GCRWS-1

INPUT SUMMARY

STORM:

WATERSHED:

STORM:
Dist.= SCS Type `b'
Depth = 1.40 inches
Duration = 6.0 hrs

Area = 102.80 acres

CN = 76.00

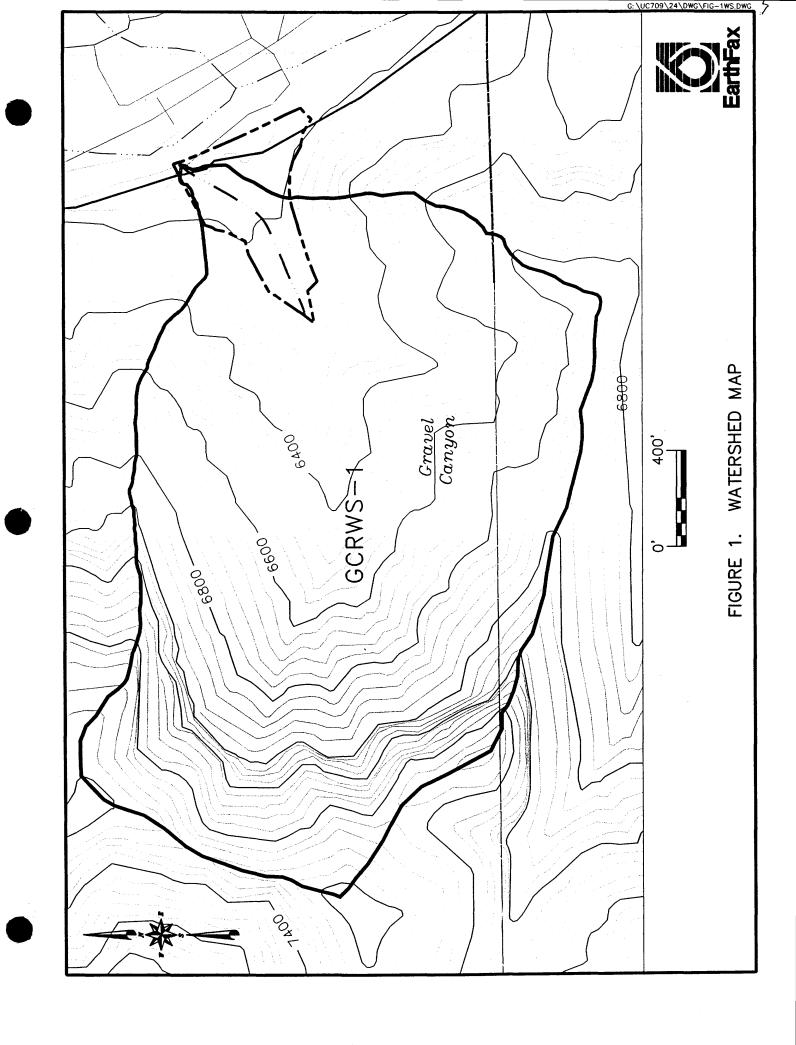
Time conc.= 0.16 hrs

OUTPUT SUMMARY

Runoff depth: 0.150 inches Initial abstr: 0.632 inches

Peak flow: 7.40 cfs (0.071 iph)

at time: 2.602 hrs



Channel Verification

Assumptions

- 1. All ditches verified for the 10-yr 6-hr storm event,
- 2. When determining the adequacy of the riprap the method presented by Searcy, (1967) will be used,
- 3. Riprap thickness is twice the D_{50} ,
- 4. Verification of riprap sizing will be based on the 10-year 6-hour storm event and the maximum slope,
- 5. Verification of channel capacity will be based on the 10-year 6-hour storm event and the minimum slope,
- 6. A Mannings n for riprap channels will be determined using the method presented by Abt, S.R., et. al. (1987)

$$n = 0.0456(D_{50} \times Slope)^{0.159}$$

Where: D50 = median riprap size (inches)

Slope = $(ft\ft)$

The channels were measured in fall of 2004. The channels were measured at the location of the minimum flow area. Thus, the channels typically have a greater capacity than indicated in this calculation.

The channel cross-section for the GCRD-1 can be found on page 10. The channel profile can be found on Exhibit 3.6-4.

GCRD-1

Contributing Watershed is 100% of GCRWS-1 Peak Flow = 7.40 cfs Minimum Slope = 5.9% Maximum Slope = 14.5%

Trapizoidal Ditch Side slopes = 1.95:1 Depth = 1.7 ft Bottom Width = 4.5 ft Riprap = 12 inch

Maximum Velocity = 4.94 fps Maximum Depth = 0.39 ft Freeboard = 1.31 ft

See pages 8 and 9 for calculation sheets

GCRD-1 Minimum Slope Worksheet for Trapezoidal Channel

Project Description	n
Worksheet	Gravel Canyon
Flow Element	Trapezoidal Cha
Method	Manning's Form
Solve For	Channel Depth

Input Data		_
Mannings Coeffic	0.043	
Slope 0.0	059000	ft/ft
Left Side Slope	1.95	V : H
Right Side Slope	1.95	V : H
Bottom Width	4.50	ft
Discharge	7.40	cfs

	Results			-			
•	Depth	0.39	ft <	1,7 ft	,'.	ok	freeboard = 1.31 ft
	Flow Area	1.8				_	
	Wetted Perime	5.37	ft				
	Top Width	4.90	ft				
	Critical Depth	0.43	ft				
	Critical Slope	0.041457	ft/ft				
	Velocity	4.07	ft/s				
	Velocity Head	0.26	ft				
	Specific Energ	0.64	ft				
	Froude Numb	1.18					
	Flow Type	Supercritical					
				•			

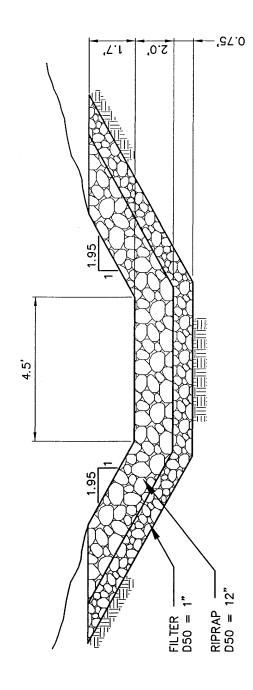
GCRD-1 Maximum Slope Worksheet for Trapezoidal Channel

Project Description	า
Worksheet	Gravel Canyon
Flow Element	Trapezoidal Cha
Method	Manning's Form
Solve For	Channel Depth

Input Data			0.0456 (12" × 0.145) 0,159		۰ ۵ ۳
Mannings Coeffic	0.050	71 =	0.0456(12 × 0.145)	I	0.05
Slope O.	145000	ft/ft			
Left Side Slope	1.95	V : H			
Right Side Slope	1.95	V : H	·		
Bottom Width	4.50	ft			
Discharge	7.40	cfs			

Results						
Depth	0.32	ft				
Flow Area	1.5	ft²				
Wetted Perima	5.22	ft				
Top Width	4.83	ft				
Critical Depth	0.43	ft				
Critical Slope	0.055606	ft/ft				
Velocity	4.94	ft/s	< 10.6	fos	<i>∴</i> ,	oh
Velocity Head	0.38	ft				
Specific Enerç	0.70	ft				
Froude Numb	1.56					
Flow Type	upercritical					





NO SCALE

References

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- Hawkins, R.H. and K.A. Marshall. 1979. Storm Hydrograph Program. Final Report to the Utah Division of Oil, Gas, and Mining. Utah State University Foundation, Logan, Utah.
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Plateau Mining Corporation Willow Creek Permit C/007/038

Phase I Bond Release on 5 acres of disturbed lands associated with Gravel Canyon in the along US Highway 6, west of the Castle Gate area.

I hereby certify to the best of my information and belief that all applicable reclamation activities have been accomplished in accordance with the requirements of the Act, the regulatory program, and the approved reclamation plan.

Dennis N. Ware

Sign Name, Position, Date

OS-O3-ZOOS

Subscribed and sworn to before me this 3nd day of May, 2005

TANYA SHORT

SUBSCRIBED

**SUB

AFFIDAVIT OF PUBLICATION

STATEOFUTAH)

SS.

County of Carbon,)

I, Ken Larson, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State a true copy of which is hereto attached, was published in the full issue of such newspaper for 4 (Four) publication was on the 21st day of June, 2005, and that the last publication of such notice was in the issue of such newspaper dated the 12th day of July, 2005.

Ken Y. Larson
Ken GLarson-Publisher

Subscribed and sworn to before me this 12th day of July, 2005.

Linda Slayn

Notary Public My commission expires January 10, 2007 Residing at Price, Utah

Publication fee, \$532.48



PUBLIC NOTICE

APPLICATION FOR PHASE I BOND RELEASE
GRAVEL CANYON
PLATEAU MINING CORPORATION
WILLOW CREEK MINE
PERMIT C/007/038, APPROVED 04/24/2001
CARBON COUNTY, UTAH

Plateau Mining Corporation, P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company, 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

In accordance with the provision of R645-301-880, of the State of Utah R645-Coal Mining Rules, notice is hereby given to the general public that Plateau Mining Corporation is applying for partial release of the performance bond posted for this operation.

The surety bond posted for the Willow Creek Mine is \$7,866,000 of which \$159,000 is designated for the Gravel Canyon reclamation. Plateau Mining Corporation is seeking release of \$95,400 from the Gravel Canyon portion of the bond.

Gravel Canyon is located on the Helper, Utah, U.S. Geological Survey 7.5 minute quadrangle map. The site is located in Price Canyon approximately 3.5 miles north of Helper, Utah on the following described lands:

Township 12 South, Range 9 East, SLB&M, Utah Section 35: SE1/4 SE1/4

The Utah Division of Oil, Gas and Mining will now evaluate the proposal to determine whether it meets all the criteria of the Permanent Program Performance Standards according to the requirements of the Utah Coal Mining Rules.

Written comments, objections and requests for public hearing or information conference on this proposal may be addressed to:

Utah Coal Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801

Closing date for submission of such comments, objections and request for public hearing or information conference on this proposals must be submitted by August 12, 2005.

Published in the Sun Advocate June 21, 28, July 5 and 12, 2005.

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr Gary Harwood Helper City P.O. Box 221 Helper, Utah 84526

Re: Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Harwood:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company , 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

In accordance with the provisions of R645-301-880, of the State of Utah R645-Coal Mining Rules, this letter will serve as notification that Plateau Mining Corporation intends to file an application with the Utah Division of Oil, Gas and Mining for partial release of the performance bond posted for this operation.

The surety bond posted for the Willow Creek Mine is \$7,866,000 of which \$159,000 is designated for the Gravel Canyon reclamation. Plateau Mining Corporation is seeking release of \$95,400 from the Gravel Canyon portion of the bond.

Gravel Canyon is located on the Helper, Utah, U.S. Geological Survey 7.5 minute quadrangle map. The mine site is located in Sowbelly Gulch, approximately 3.5 miles north of Helper, Utah on the following described lands:

Township 12 South, Range 9 East, SLB&M, Utah Section 35: SE1/4 SE1/4

In accordance with the provisions of R645-301-880 of the State of Utah R645 Coal Mining Rules, this letter will serve as notification that Plateau Mining Corporation intends to file an application with the Utah Division of Oil, Gas and Mining for partial release of the performance bond posted for this operation.

The surety bond posted for the Willow Creek Mine is \$7,866,000 of which \$159,000 is designated for the Gravel Canyon reclamation. Plateau Mining Corporation is seeking release of \$95,400 from the Gravel Canyon portion of the bond. All earthwork and revegetation has been completed on site.

Comments concerning Phase I bond release from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies which would have to initiate, implement, approve, or authorize the proposed use of the land following reclamation should be mailed to: Plateau Mining Corporation, Attention: Dennis N. Ware, P.O. Box 30, Helper, Utah 84526.

If you have any questions or need additional information, please me at (435) 472-4737.

Sincerely

Dennis N. Ware

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Carbon County Commissioners 120 East Main Street Price, Utah 84501

Re:

Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Commissioners:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company, 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

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Township 12 South, Range 9 East, SLB&M, Utah

Section 35: SE1/4 SE1/4

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Comments concerning Phase I bond release from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies which would have to initiate, implement, approve, or authorize the proposed use of the land following reclamation should be mailed to: Plateau Mining Corporation, Attention: Dennis N. Ware, P.O. Box 30, Helper, Utah 84526.

If you have any questions or need additional information, please me at (435) 472-4737.

Sincerely,

Dennis N. Ware

Controller and Administrative Manager

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Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Dave Levanger Carbon County Planning and Zoning 120 East Main Street Price, Utah 84501

Re: Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Levanger:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company , 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

In accordance with the provisions of R645-301-880, of the State of Utah R645-Coal Mining Rules, this letter will serve as notification that Plateau Mining Corporation intends to file an application with the Utah Division of Oil, Gas and Mining for partial release of the performance bond posted for this operation.

The surety bond posted for the Willow Creek Mine is \$7,866,000 of which \$159,000 is designated for the Gravel Canyon reclamation. Plateau Mining Corporation is seeking release of \$95,400 from the Gravel Canyon portion of the bond.

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If you have any questions or need additional information, please me at (435) 472-4737.

Sincerely,

Dennis N. Ware

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Harold Cunningham Utah Power and Light – Carbon Plant Helper, Utah 84526

Re:

Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Cunningham:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company , 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

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Dennis N. Ware

Sincerely

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Roger Wheeler Director Land Management American Electric Power 700 Morrison Road Gahanna, Ohio 43230-6642

Re: Not

Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Wheeler:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company , 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

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Sincerely,

Dennis N. Ware

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Phil Palmer Price River Water Improvement District P.O. 903 265 South Fairgrounds Road Price, Utah 84501

Re:

Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Palmer:

Plateau Mining Corporation, , P.O. Box 30, 847 Northwest Highway 191, Helper, UT 84526, a subsidiary of Foundation Coal Company , 999 Corporate Blvd., Linthicum Heights, MD 21090, has completed Phase I of the approved reclamation plan for the approximately 5.75 acres of land in the Gravel Canyon area of the Willow Creek Mine. This is based on meeting the backfilling and grading and drainage control requirements for Phase I reclamation in accordance with the approved reclamation plan. All earthwork, drainage control, and revegetation were completed in the fall of 2004.

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Dennis N. Ware

Sincerely,

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Patrick Gubbins
Bureau of Land Management
125 South 600 West
Price, Utah 84501

Re: Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Gubbins:

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Dennis N. Ware

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Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Kevin S. Carter
Director
School and Institutional Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, Utah 84102-2818

Re: Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Carter:

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Dennis N. Ware

Controller and Administrative Manager

Willow Creek Mine P.O. Box 30 847 NW HWY 191 Helper, Utah 84526 (435)472-4737 Fax: (435)472-4782

April 29, 2005

Mr. Hugh Kirkham State of Utah Department of Transportation 940 South Carbon Avenue Price, Utah 84501

Re:

Notification of Application for Phase I Bond Release, Gravel Canyon, Plateau Mining Corporation, Willow Creek Mine, C/007/038, Carbon County, Utah

Dear Mr. Kirkham:

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